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<p>(30) Priority:</p> <p>(43) Date of application publication: <b>30.10.86</b></p> <p>(84) Designated contracting states:</p>	<p>(71) Applicant: <b>CANON INC</b></p> <p>(72) Inventor: <b>YAMADA YUICHI</b> <b>OUTSUKA KAZUHIITO</b></p> <p>(74) Representative: ..</p>
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**(54) CORRECTION OF  
ORIGIN DEVIATION  
BETWEEN STATIONARY  
STAGE AND ROTARY  
STAGE**

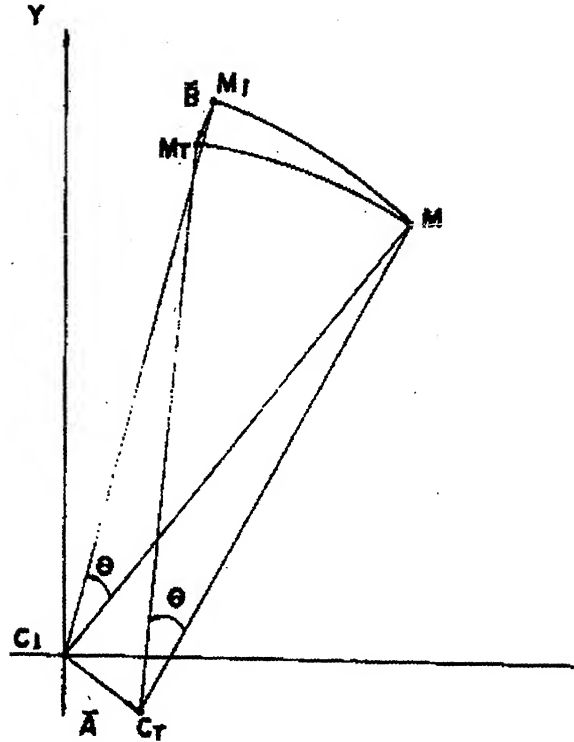
(57) Abstract:


**PURPOSE:** To prevent a new deviation from occurring by correcting  $\theta$  slip by a method wherein, when there is a deviation between the coordinate origin of rotary stage and the other coordinate origin of stationary stage, the deviation of origin is corrected.

**CONSTITUTION:** Assuming azimuth to be  $\theta$ , a common point to a stationary stage and a rotary stage, the coordinate origin (rotary center) of rotary stage and the other coordinate origin of stationary stage are respectively specified to be M, Cr and C1. When there is a slip between the coordinate origin of two stages, a new vector B is drawn by  $\theta$  rotation of the rotary stage. The vector B being measurable can be measured to

shift the coordinate origin  $C_1$  of stationary stage by one vector  $A$  or to shift the coordinate origin  $C_r$  of rotary stage by one vector  $A$  for calculating the later deviation using the new data thus measured as a new coordinate so that a new deviation due to  $\theta$  rotation may be prevented from occurring.

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Title: **JP61244027A2: CORRECTION OF ORIGIN DEVIATION BETWEEN STATIONARY STAGE AND ROTARY STAGE**

Country: JP Japan  
Kind: A

Inventor(s): **YAMADA YUICHI  
OUTSUKA KAZUHITO**

Applicant/Assignee:

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**CANON INC**

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Priority Number(s):

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Abstract:



**Purpose:** To prevent a new deviation from occurring by correcting  $\theta$  slip by a method wherein, when there is a deviation between the coordinate origin of rotary stage and the other coordinate origin of stationary stage, the deviation of origin is corrected.

**Constitution:** Assuming azimuth to be  $\theta$ , a common point to a stationary stage and a rotary stage, the coordinate origin (rotary center) of rotary stage and the other coordinate origin of stationary stage are respectively specified to be M, Cr and C1. When there is a slip between the coordinate origin of two stages, a new vector B is drawn by  $\theta$  rotation of the rotary stage. The vector B being measurable can be measured to shift the coordinate origin C1 of stationary stage by one vector A or to shift the coordinate origin Cr of rotary stage by one vector A for calculating the later deviation using the new data thus measured as a new coordinate so that a new deviation due to  $\theta$  rotation may be prevented from occurring.

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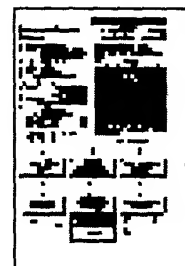
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